



Section 1

Hydraulic Hose

G1 1-Wire Braid Hose - SAE 100R1 Type S

Meets Flame Resistance Acceptance Designation MSHA 2G

Recommended For: Medium pressure hydraulic oil lines.

Standards: Meets or exceeds the requirements of SAE 100R1, ISO1436 1SN R1 and the performance requirements of EN 853 1SN.



Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

See *Characteristics Of Hose Stock Types*.

Reinforcement: One braid of high-tensile steel wire.

Cover: Black, oil-, abrasion-resistant synthetic rubber (Nitrile/PVC -Type C2).

See *Characteristics Of Hose Stock Types*.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

For water emulsions see *Additional Temperature Limits For Gates Hydraulic Hose*.

Couplings Recommendation: (see *Southcott Crimp Data Book/Charts*)

Gates GlobalSpiral™ (GS) Couplings (-6 through -20)

Gates GlobalSpiral™ Plus (GSP) Couplings (-24 and -32)

Gates MegaCrimp® (G) Couplings (-4 through -20)

Child Super Crimp (S) Series Couplings (-4 through -32)

Child Ezi Crimp (E) Series Couplings (-4 through 16, excluding -10)

Child Field Fit (R) Series Couplings (-4 through -16, excluding -10)

Refer www.southcott.com.au for current crimp specifications

Hose Specifications

Part Number	⊖			⊘		⊙		⊙		⊙		Length (m)
	Standard	Dash	Inch	DN	Inch	mm	PSI	Bar	PSI	Bar	Inch	
3G1	3	3/16	5	0.47	11.9	3,625	350	14,500	1,000	3.0	76	207
4G1	4	1/4	6	0.53	13.5	3,275	226	13,100	903	4.0	102	134
6G1	6	3/8	10	0.68	17.3	2,600	179	10,400	717	5.0	127	117
8G1	8	1/2	12	0.80	20.3	2,325	160	9,300	641	7.0	178	100
10G1	10	5/8	16	0.93	23.6	1,900	131	7,600	524	8.0	203	67
12G1	12	3/4	19	1.09	27.7	1,525	105	6,100	421	9.0	229	67
16G1	16	1	25	1.40	35.6	1,300	90	5,200	359	12.0	305	50
20G1	20	1-1/4	31	1.71	43.4	925	64	3,700	255	16.0	406	36
24G1	24	1-1/2	38	1.96	49.8	725	50	2,900	200	20.0	508	36
32G1	32	2	51	2.51	63.8	600	41	2,400	166	25.0	635	36

Additional Product

Hose Type	Couplings and Ferrules								Associated Protective Product						
	Gates				Child				Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps	Life Guard	Life Guard Collar
	Standard	1 Piece Series	2 Piece Series	Ferrule	1 Piece Series	2 Piece Series	Ferrule	Field Fit							
3G1	-	-	-	-	P	FNP-03	-	-	HSG-01	SGX12	HTG-12	TEXS20	SB19	14LG4K	6SC4
4G1	4G	-	-	E	S	FNP-04	R	BN1-04	HSG-02	SGX12	HTG-13	TEXS23	SB22	14LG4K	6SC4
6G1	6G	6GS	6GS1F-2	E	S	FNP-06	R	BN1-06	HSG-03	SGX20	HTG-16	TEXS27	SB22	16LG3K	6SC4
8G1	8G	8GS	8GS1F-2	E	S	FNP-08	R	BN1-08	HSG-04	SGX20	HTG-18	TEXS31	SB25	20LG3K	8SC4
10G1	10G	10GS	10GS1F-2	-	S	FNP-10	-	-	HSG-06	SGX25	HTG-22	TEXS33	SB29	22LG3K	10SC4
12G1	12G	12GS	12GS1F-2	E	S	FNP-12	R	BN1-12	HSG-09	SGX25	HTG-24	TEXS44	SB41	26LG3K	12SC4
16G1	16G	16GS	16GS1F-2	-	S	FNP-16	R	BN1-16	HSG-11	SGX32	HTG-30	TEXS47	SB48	32LG3K	16SC4
20G1	20G	20GS	20GS1F-2	-	S	FNP-20	-	-	HSG-13	SGX40	HTG-36	TEXS60	SB60	-	-
24G1	-	24GSP	24GSP1F-2	-	S	FNP-24	-	-	HSG-14	SGX50	HTG-40	TEXS73	SB60	-	-
32G1	-	32GSP	32GSP1F-2	-	S	FNP-32	-	-	HSG-15A	SGX63	HTG-64	TEXS93	SB73	-	-